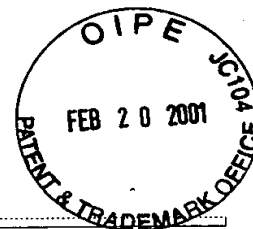


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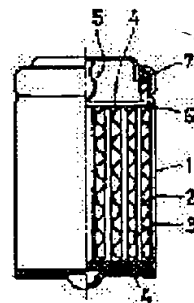
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## (54) SECONDARY BATTERY

(57)Abstract:

PURPOSE: To secure safety while keeping excellent characteristics by keeping the moisture content in a nonaqueous electrolyte cell, in which an Li containing composite alloy oxide is used as a positive electrode active substance and a carbonaceous material as a negative electrode active substance, within a predetermined range.

CONSTITUTION: The battery comprises a positive electrode 1 in which a lithium containing composite alloy oxide is used as a positive electrode active substance, a negative electrode 3 in which a carbonaceous material is used as a negative electrode active substance, a separator 2, an organic electrolyte, and a cell housing. The moisture content contained in the organic electrolyte is designed to be from 5 to 450ppm. When it exceeds 450ppm, hydrogen gas or the like is unfavorably generated upon an initial charging so that the internal pressure rises and the swelling in the cell takes place. On the other hand, controlling it below 5ppm unfavorably requires an extremely long time of dehydrating process and an extremely high-grade water content control in assembly man- hours. Accordingly, controlling it within the range of 15-300ppm can maintain practical and excellent battery characteristics.



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